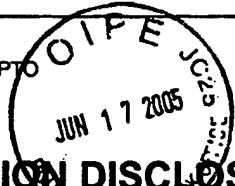


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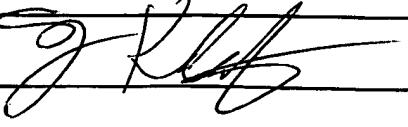


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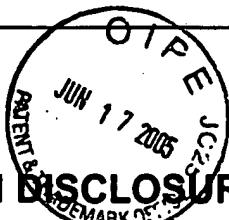
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT			
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Sheet	1	12	Attorney Docket Number
Complete if Known			
Application Number		09/362,693	
Filing Date		July 29, 1999	
First Named Inventor		Mills	
Group Art Unit		1745	
Examiner Name		Kalafut	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite. No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
T ²			
<p>58 R. L. Mills, "Classical Quantum Mechanics," Physics Essays, in press. (Web Publication Date: May 23, 2002.)</p> <p>60 R. L. Mills, J. Sankar, A. Voigt, J. He, B. Dhandapani, "Synthesis of HDLC Films from Solid Carbon," Journal of Materials Science, in press. (Web Publication Date: May 3, 2002.)</p> <p>77 J. Phillips, R. L. Mills, X. Chen, "Water Bath Calorimetric Study of Excess Heat in Resonance Transfer Plasmas," J. Appl. Phys., Vol. 96, No. 6, (2004) 3095-3102. (Web Publication Date: June 16, 2003.)</p> <p>80 R. L. Mills, "The Fallacy of Feynman's Argument on the Stability of the Hydrogen Atom According to Quantum Mechanics," Annales de la Fondation Louis de Broglie, submitted. (Web Publication Date: Jan. 27, 2003.)</p> <p>81 R. Mills, P. Ray, B. Dhandapani, W. Good, P. Jansson, M. Nansteel, J. He, A. Voigt, "Spectroscopic and NMR Identification of Novel Hydride Ions in Fractional Quantum Energy States Formed by an Exothermic Reaction of Atomic Hydrogen with Certain Catalysts," European Physical Journal: Applied Physics, 28, (2004), 83-104. (Web Publication Date: Feb. 21, 2003.)</p> <p>88 R. Mills, J. Sankar, A. Voigt, J. He, P. Ray, B. Dhandapani, "Role of Atomic Hydrogen Density and Energy in Low Power CVD Synthesis of Diamond Films," Thin Solid Films, 478, (2005) 77-90. (Web Publication Date: Dec. 22, 2003.)</p> <p>94 R. L. Mills, "The Nature of the Chemical Bond Revisited and an Alternative Maxwellian Approach," Physics Essays, in press. (Web Publication Date: Aug. 6, 2003.)</p> <p>96 J. J. Phillips, C. K. Chen, R. L. Mills, "Evidence of the Production of Hot Hydrogen Atoms in RF Plasmas by Catalytic Reactions Between Hydrogen and Oxygen Species," Spectrochimica Acta Part B: Atomic Spectroscopy, submitted. (Web Publication Date: Sept. 12, 2003.)</p> <p>97 R. L. Mills, P. Ray, B. Dhandapani, "Evidence of an Energy Transfer Reaction Between Atomic Hydrogen and Argon II or Helium II as the Source of Excessively Hot H Atoms in RF Plasmas," Journal of Plasma Physics, in press. (Web Publication Date: Sept. 26, 2003.)</p> <p>98 R. L. Mills, Y. Lu, J. He, M. Nansteel, P. Ray, X. Chen, A. Voigt, B. Dhandapani, "Spectral Identification of New States of Hydrogen," New Journal of Chemistry, submitted. (Web Publication Date: Nov. 18, 2003.)</p>			
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Examiner Signature			
Date Considered	8/30/05		

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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				Complete if Known	
				Application Number	09/362,693
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				First Named Inventor	Mills
				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	2		12	Attorney Docket Number	

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	100	R. Mills, B. Dhandapani, J. He, "Highly Stable Amorphous Silicon Hydride from a Helium Plasma Reaction," Materials Chemistry and Physics, submitted. (Web Publication Date: Nov. 17, 2003.)	
	102	R. L. Mills, "Exact Classical Quantum Mechanical Solutions for One-through Twenty-Electron Atoms," Phys. Essays, submitted. (Web Publication Date: April 22, 2004.)	
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	104	R. L. Mills, Y. Lu, M. Nansteel, J. He, A. Voigt, W. Good, B. Dhandapani, "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Division of Fuel Chemistry, Session: Advances in Hydrogen Energy, 228th American Chemical Society National Meeting, August 22-26, 2004, Philadelphia, PA.	

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Examiner Signature		Date Considered	8/30/05
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O I P E
JUN 17 2005

PTO/SB/08B (Modified)

Substitute Form 1449B/PTO				Complete if Known	
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	105	J. Phillips, C. K. Chen, R. L. Mills, "Evidence of Catalytic Production of Het Hydrogen in RF Generated Hydrogen/Argon Plasmas," J. Appl. Physics, submitted. (Web Publication Date: September 7, 2004.)	
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OK	108	R. L. Mills, J. He, M. Nansteel, B. Dhandapani, "Catalysis of Atomic Hydrogen to New Hydrides as a New Power Source," International Journal of Global Energy Issues (IJGEI). Special Edition in Energy System, submitted. (Web Publication Date: April 4, 2005.)	
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OK	110	R. L. Mills, J. He, Z. Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrides as a New Power Source," Prepr. Pap.—Am. Chem. Soc., Div. Fuel Chem. 2005, 50(2). (Web Publication Date: April 22, 2005.)	
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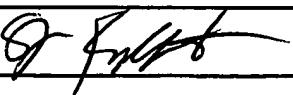
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JUN 17 2005

PTO/SB/08B (Modified)

Substitute for form 1449B/PTO				Complete if Known	
				Application Number	09/362,693
				Filing Date	July 29, 1999
				First Named Inventor	Mills
				Group Art Unit	1745
				Examiner Name	Kalafut
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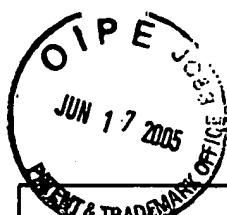
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OK		CRITCHLEY <i>et al.</i> , "Energy shifts and forbidden transitions in H ₂ due to electronic g/u symmetry breaking", <i>Molecular Physics</i> , 2003, Vol. 101, Nos. 4-5, pp. 651-661, Taylor & Francis Ltd.	
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Examiner Signature		Date Considered	8/30/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number		09/362,693	
Filing Date		July 29, 1999	
First Named Inventor		Mills	
Group Art Unit		1745	
Examiner Name		Kalafut	
Sheet	5	of	12
		Attorney Docket Number	

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OK		COTTON et al, "Complexes of Cyclic 2-Oxacarbenes, I. A Spontaneous Cyclization to Form a Complex of 2-Oxacyclopentylidene", <i>Journal of the American Chemical Society</i> , 93:11, pp. 2672-2676, June 2, 1971	
OK		LINDSAY et al., "A remeasurement of the 2.4 μ m spectrum of J = H ₂ pairs in a parahydrogen crystal", <i>Journal of Molecular Spectroscopy</i> , 218. Pp. 131-133, 2003	(NO MENTION)
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OK		SMITH, "Infrared spectra of BO ₂ ⁻ in the alkali halides-L. Potassium and rubidium halides", <i>Spectrochimica Acta</i> , Vol. 30A, pp. 875-882, Pergamon Press, 1974	
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OK		STAVOLA et al, "Interstitial H ₂ in Si: are all problems solved?", <i>Physica B</i> , pp. 58-66, 200s Elsevier B.V.	

Examiner Signature		Date Considered	8/24/05
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 INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet	6	of	12	Attorney Docket Number	
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Complete if Known

Application Number	09/362,693
Filing Date	July 29, 1999
First Named Inventor	Mills
Group Art Unit	1745
Examiner Name	Kalafut

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OK		MILLS et al., "Catalysis of Atomic Hydrogen to Novel Hydrides as a New Power Source", pp. 1-8, BlackLight Power, Inc. (No Date)			
OK		DECIUS et al., "Force Constants of the Metaborate Ion in Alkali Halides", <i>The Journal of Chemical Physics</i> , 56:10, pp. 5189-5190, May 15, 1972			
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OK		SCHOENFELDER et al., "Kinetics of Thermal Decomposition of TiH ₂ ", <i>J. Vac. Sci. Technol.</i> , 10:5, pp. 862-870, Sept./Oct. 1973			
OK		"Emission Characteristics for Scandium Type Dispenser Cathodes", HeatWave Labs, Inc., TB-119, May 24, 2001, Spectra-Mat, Inc.			
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Examiner Signature	<i>J. Kalafut</i>	Date Considered	8/30/05
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet	7	of	12	Attorney Docket Number
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Application Number	09/362,693
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OK		"Standard Series Barium Tungsten Dispenser Cathodes", HeatWave Labs, Inc., TB-198, July 29, 2002, Spectra-Mat, Inc.		
OK		ABATE <i>et al.</i> , "Optimization and enhancement of H ⁺ ions in a magnetized sheet plasma", <i>Review of Scientific Instruments</i> , 71:10, pp. 3689-3695, October 2000, American Institute of Physics		
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OK		DJUROVIC <i>et al.</i> , "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge", <i>J. Appl. Phys.</i> , 74:11, pp. 6558-6565, December 1, 1993, American Institute of Physics		
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SK		JOVICEVIC et al., "Excessive Balmer line broadcasting in microwave-induced discharges", <i>Journal of Applied Physics</i> , 95:1, pp. 24-29, January 1, 2004, American Institute of Physics			
SK		DJUROVIC et al., "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge", <i>J. Appl. Phys.</i> , 74:11, pp. 6558-6565, December 1, 1993, American Institute of Physics			
SK		MAYO, "Thermalization and Energy Distribution in Cold Laboratory Plasmas Comments on the Possibility of Mono-Energetic Species", April 20, 2004			
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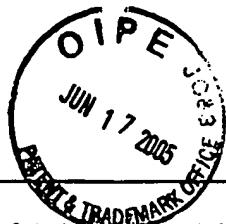
Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Sheet 9		of 12	Application Number 09/362,693 Filing Date July 29, 1999 First Named Inventor Mills Group Art Unit 1745 Examiner Name Kalafut		
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OK		OLTHOFF <i>et al.</i> , "Studies of Ion Kinetic-Energy Distributions in the Gaseous Electronics Conference RF Reference Cell", <i>Journal of Research of the National Institute of Standards and Technology</i> , 100:4, pp. 383-400, July-August 1995	
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OK		BURKHOLDER <i>et al.</i> , "Reactions of boron atoms with molecular oxygen. Infrared spectra of BO, BO ₂ , B ₂ O ₂ , B ₂ O ₃ , and BO ₂ in solid argon", <i>J. Chem. Phys.</i> , 95:12, pp. 8697-8709, December 15, 1991	
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Examiner Signature		Date Considered	6/30/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	10	of	12	Attorney Docket Number
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Complete if Known

Application Number	09/362,693
Filing Date	July 29, 1999
First Named Inventor	Mills
Group Art Unit	1745
Examiner Name	Kalafut

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
OK		D. Luggenholscher, U. Czarnetzki, and H.F. Dobele Institut fur Laser-und Plasmaphysik, Universitat Essen, Germany, "Investigations on Electric Field Distributions in a Microwave Discharge in Hydrogen"	
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Examiner Name		Kalafut	
Sheet	11	of	12
		Attorney Docket Number	

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
OK		E. Kovacevic, I. Stefanovic, J. Berndt, and J. Winter, "The Dynamic Response of the Plasma on the Dust Formation in Ar/C ² H ² Rf Discharges." < http://www.rcpig.uni-greifswald.delproceedings/data/kovacevic-1 > (No Date)	
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OK		E. U. Condon, Ph. D., G. H. Shortley, Ph. D., "The Theory of Atomic Spectra.", Cambridge, 1967, pp.45-69, and 112-147. (No Date)	
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JUN 17 2005
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PTO/SB/08B (Modified)

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SK		Quantum Physics 301, Paradoxes and Interpretation", http://www.teach..phy.bris..ac.uk/Level30100/CourseMaterials/paradoxes.pdf (No Date)	
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